

**AMENDMENTS TO THE CLAIMS**

*The following listing of claims replaces all prior claim listings and versions.*

1-75 (cancelled)

76. (New) A method of modifying an executable file comprising the steps of:

identifying at least one of one or more instructions and one or more variables within the executable file; and  
embedding at least one of data and code before or after the identified instructions, whereby the embedded code is formed by a license verification code and the embedded data represents license related information.

77. (New) The method according to claim 76, characterized in that at least part of the data or the code embedded within the executable file is adapted to enable automatic testing of the integrity of at least one part of the executable file.

78. (New) The method according to claim 76, characterized in that the identification of the instructions or variables is based on information obtained from at least one of an initial, intermediate and final state of the creation process resulting the executable file.

79. (New) The method according to claim 78, characterized in that the information is obtained from object files created in the process of generating the executable file from a source code file.

80. (New) The method according to claim 78, characterized in that the information is obtained from debug information created in the process of generating the executable file from a source code file.

81. (New) The method according to claim 78, characterized in that the information is obtained from relocation information created in the process of generating the executable file from a source code file.

82. (New) The method according to claim 76, characterized in that the data and/or the code embedded in the executable file is adapted to enable the identification of the licensee of the software product comprising the executable file.

83. (New) The method according to claim 76, characterized in that the data or the code embedded in the executable file is adapted to enable an identification of the executable file itself.

84. (New) The method according to claim 76, characterized in that the data or the code embedded in the executable file is adapted to enable an identification of the master file from which the executable file forms a copy before being modified.

85. (New) The method according to claim 76, characterized in that the code embedded in the executable file is adapted to create a query to an execution control

software program for a permission to run the executable file, and to control the execution of the executable file in accordance to the permission being granted or denied.

86. (New) The method according to claim 76, characterized in that the code embedded in the executable file is adapted to monitor changes to the executable file and to create a message indicating an infringement of the integrity of the executable file upon a change not being verified.

87. (New) The method according to claim 85, characterized in that granting the permission to run the executable file comprises validation information in form of a request ticket.

88. (New) The method according to claim 85, characterized in that the permission to run the executable file is formed by a runtime ticket.

89. (New) The method according to claim 85, characterized in that the code embedded in the executable file is adapted to receive a log-off ticket and to embed the log-off ticket within the executable file.

90. (New) The method according to claim 89, characterized in that the code embedded in the executable file is further adapted to return the logoff ticket to the execution control software program upon terminating the execution of the executable file.

91. (New) The method according to claim 87, characterized in that the code embedded in the executable file comprises verification code for verifying the validity of at least one type of ticket.

92. (New) The method according to claim 85, characterized in that the code embedded in one or more instructions of the executable file is adapted to increment a counter related to the respective instruction each time said instruction of the executable file is involved.

93. (New) The method according to claim 92, characterized in that said code embedded in one or more instructions of the executable file is further adapted to send data concerning the value of the counter to the execution control software program upon terminating the execution of the executable file.

94. (New) The method according to claim 87, characterized in that the code embedded in the executable file comprises a provision of means for an execution of code received from the execution control software program.

95. (New) The method according to claim 94, characterized in that the code embedded in the executable file comprises a provision of means for returning a result of the execution of said code to said execution control software program.

96. (New) The method according to claim 76, characterized by at least one of changing an arrangement of at least two subroutines and changing the arrangement of at least two variables within the executable file.

97. (New) The method according to claim 96, characterized in that the changing of the arrangement of the at least two subroutines and the changing of the at least two variables is performed by a pseudo-random permutation.

98. (New) A processor-readable medium incorporating a program of instructions configured to perform a method of modifying an executable file, said method comprising:

identifying at least one of one or more instructions and one or more variables within the executable file; and

embedding at least one of data and code before or after the identified instructions, whereby the embedded code is formed by a license verification code and the embedded data represents license related information.